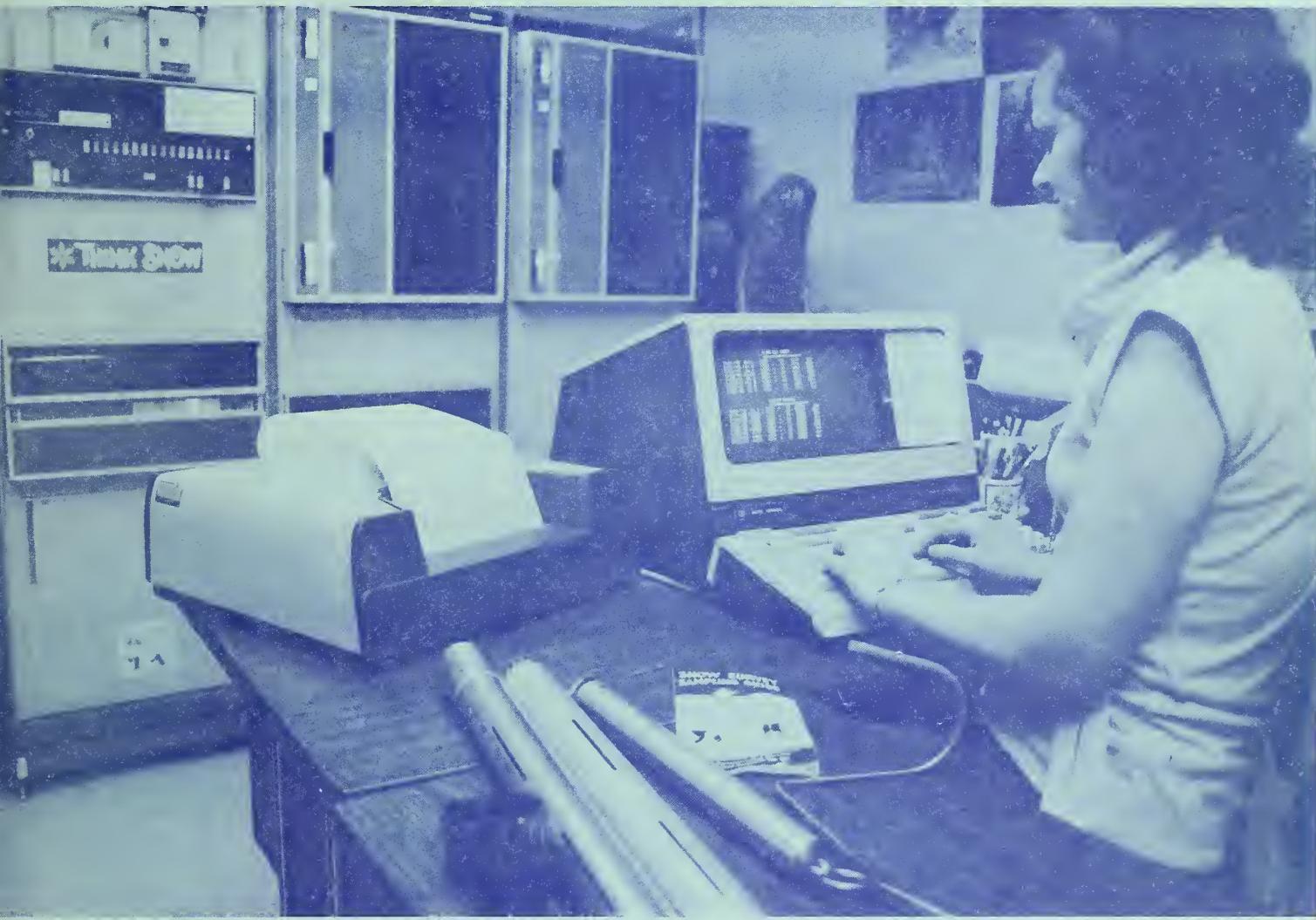


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Water Supply Outlook For Wyoming



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

STATE ENGINEER of WYOMING

AS OF
APR. 1, 1980

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: THE SNOW PROJECT CENTRAL COMPUTER FACILITIES IN PORTLAND, OREGON. THE TERMINAL, PRINTER, COMPUTER AND TAPE DRIVES HAVE NOT COMPLETELY REPLACED THE SNOW SAMPLING TUBES SEEN IN THE FOREGROUND.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR WYOMING

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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ADMINISTRATOR
SOIL CONSERVATION SERVICE
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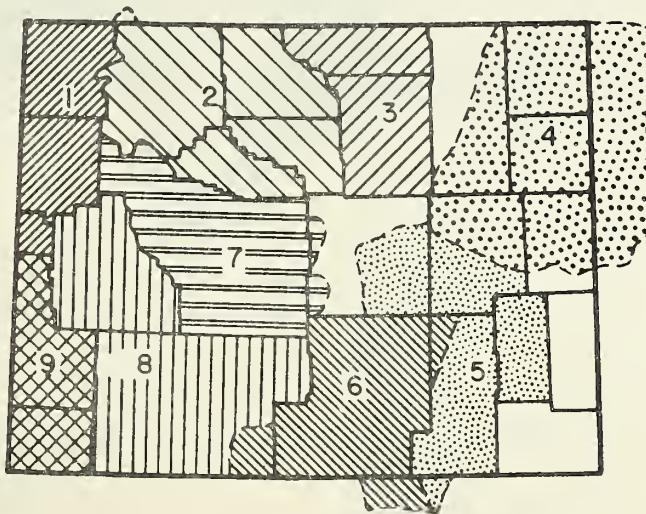
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 - Area 9 Lower Green River and Bear River Watersheds
- Basic Data Supplement 1 - Snow data
- Basic Data Supplement 2 - Precipitation data
- Map and Index of Wyoming Snow Measuring Sites

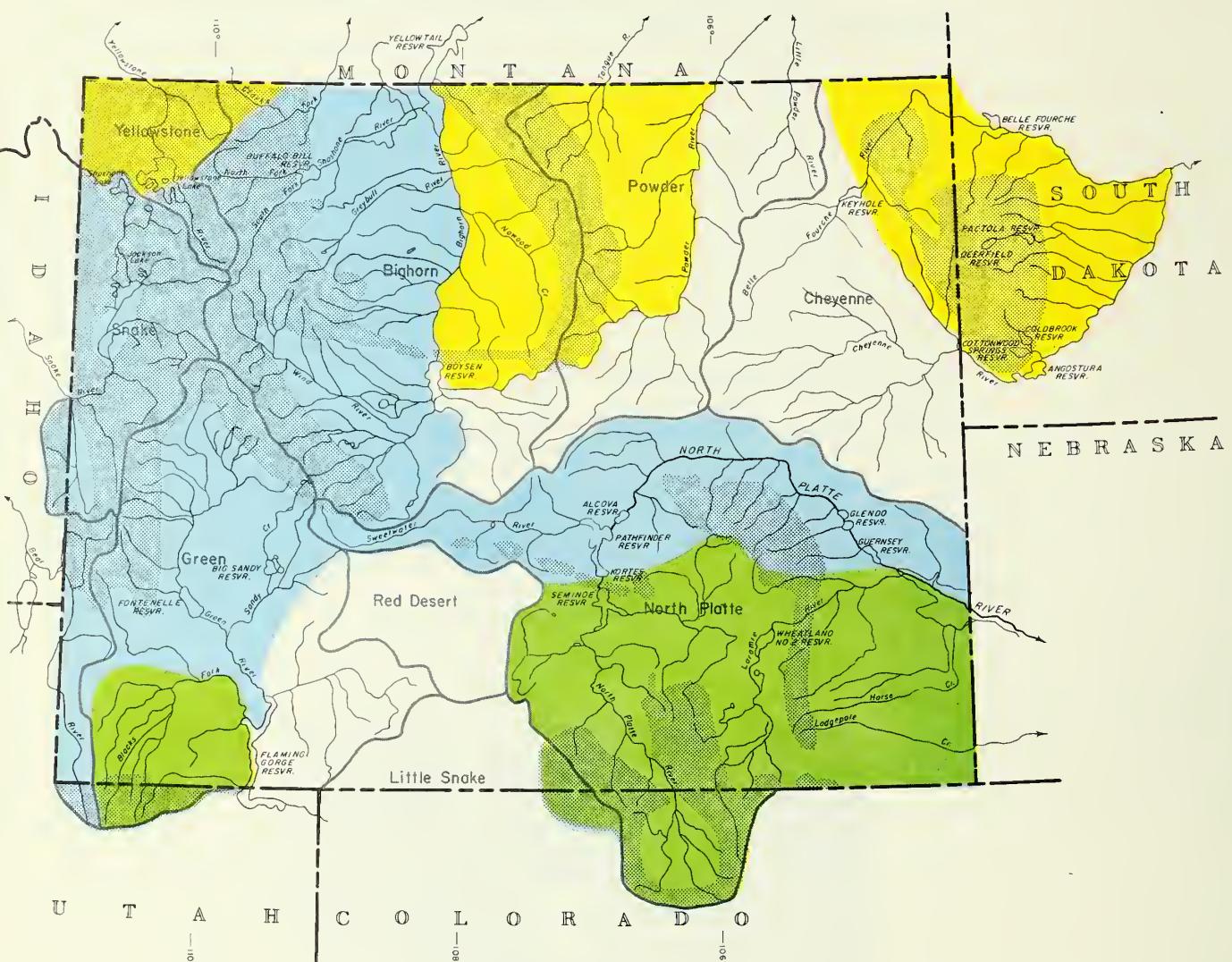


WATERSHED AREA LOCATIONS

PROSPECTIVE WATER SUPPLIES FOR WYOMING SPRING AND SUMMER PERIOD

April 1, 1980

50 MILES
SCALE 1: 4,250,000



FORECAST STREAM FLOW
In Percent of 1963-77, 15 Year Average

- The legend consists of five colored squares with corresponding labels:

 - Yellow square: Below 80%
 - Light blue square: 80% - 120%
 - Green square: Above 120%
 - White square: Not Forecast or Non-Irrigated
 - Dotted gray square: Mountain Areas



M7-0L-220296
AUGUST 20, 1967

WYOMING SUMMARY

as of
APRIL 1, 1980

* * * * * * * * * * * * * * * * *
* Southern Wyoming snowpacks con- *
* tinue to promise excellent sum- *
* mer streamflows. Some other *
* forecasts have improved while *
* the extreme northwest and *
* northeast are still well be- *
* low normal. *

* * * * * * * * * * * * * * * * *

SNOWPACK

A statewide increase of one percent, compared to normal, is noted. Already heavy snowpacks in the North Platte basin remain at 20 to 30 percent above normal. Even higher figures prevail in extreme southwest Wyoming. Significant snowpack increases of about 10 percent have occurred across many northern Wyoming drainages. The Snake River is now only five percent below normal. Modest snowpack improvements have not changed below normal figures for extreme northwestern Wyoming (23 percent below) and the Black Hills area (30 percent below normal).

PRECIPITATION

Low elevation precipitation for March was highlighted by 150 to 300 percent of normal amounts over most of southern Wyoming, especially in the Laramie Range. Significant snowfall was noted just east of Yellowstone National Park, while the remainder of the Bighorn Basin and southwestern Wyoming received less than normal.

Southeastern Wyoming has been buried under snow all winter. Seasonal totals of 200 to 300 percent of normal prevail in this area. Southwestern Wyoming is also well above normal. Slightly above normal March precipitation in the northern half of the state has pulled most of these seasonal totals up to within 10 to 15 percent of normal.



....continued next page

STREAMFLOW

Volume forecasts for this spring and summer are excellent in southern Wyoming drainages. The North Platte remains most significant at 26 percent above normal. The Black's Fork in southwestern Wyoming is even higher at 35 percent above normal. Big Sandy and Little Popo Agie are also about 20 percent above. Other forecasts across the state have generally improved about 10 percent during March, but most are still below normal. Northern Yellowstone Park and Black Hills drainages will be well below normal.

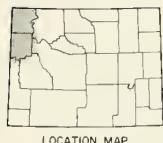
RESERVOIR STORAGE

Wyoming's 12 largest reservoirs are presently storing 11 percent above normal amounts. This is 62 percent of the usable capacity. The North Platte reservoir system is 23 percent higher than usual.

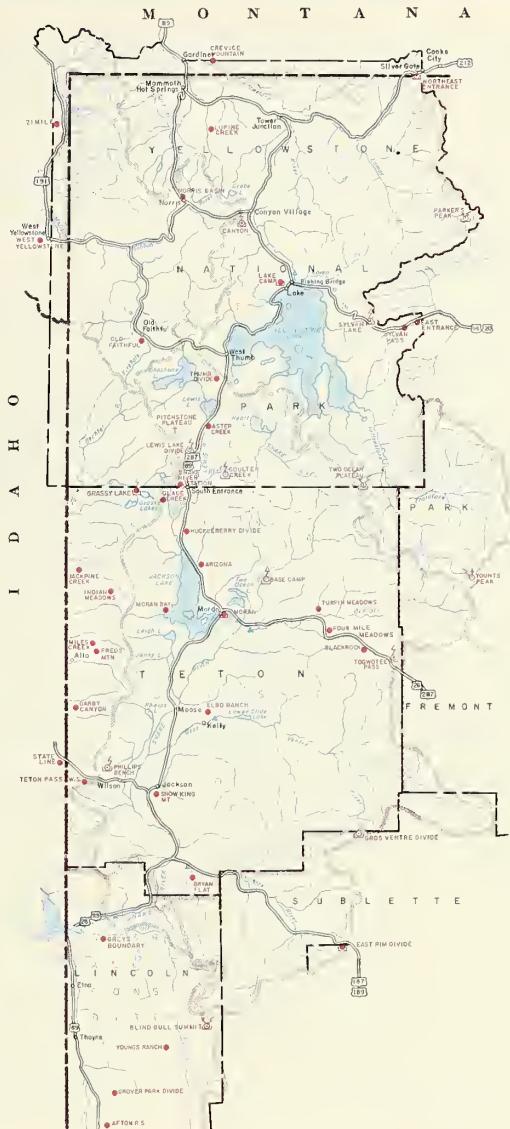
Forecasts prepared for this bulletin represent cooperative efforts of the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to water users and managers.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS IN WYOMING

APRIL 1, 1980



LOCATION MAP



YOUR WATER SUPPLY

SNOWPACKS HAVE IMPROVED ABOUT 10 PERCENT WITH HEAVY MARCH SNOWFALLS. INFLOW TO PALISADES RESERVOIR IS FORECAST AT 87% OF NORMAL. YELLOWSTONE RIVER REMAINS LOWEST AT 76%. RESERVOIR STORAGE IS ABOVE NORMAL FOR MARCH 1 EXCEPT JACKSON LAKE, WHICH IS 91% OF NORMAL.

SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year**	Average +
Yellowstone River at Yellowstone Lake Outlet	650	76	Apr-Sept	636	860
Snake River near Moran (1)	780	86	Apr-Sept	751	903
Snake River above Palisades near Alpine (1)	2350	85	Apr-Sept	2272	2755
Snake River at Heise (2)	3650	86	Apr-Sept	3690	4247
Pacific Creek at Moran	153	84	Apr-Sept	-	182*
Greys River above Palisades	340	84	Apr-Sept	323	403
Salt River above Palisades near Etna	330	81	Apr-Sept	280	405
Palisades Reservoir Inflow	3350	87	Apr-Sept	3174	3863
Swift Creek near Afton	40	85	May-Sept	38	47

(1) Observed flow plus change in storage in Jackson Lake.

(2) Observed flow plus change in storage in Jackson Lake and Palisades Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

* Average contains less than 15 years.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Madison (WY only)	3	77	77
Yellowstone (WY only)	12	97	89
Snake ab.Jackson Lake	12	91	95
Pacific Creek	3	90	85
Buffalo Creek	6	92	88
Gros Ventre River	3	88	86
Hoback River	7	90	94
Greys River	4	108	104
Salt River	5	115	110

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Grassy Lake	15.1	11.8	12.9	10.8
Jackson Lake	847.0	555.6	531.9	612.9
Palisades	1200.0	929.9	804.3	815.9

* 1963-1977 period.

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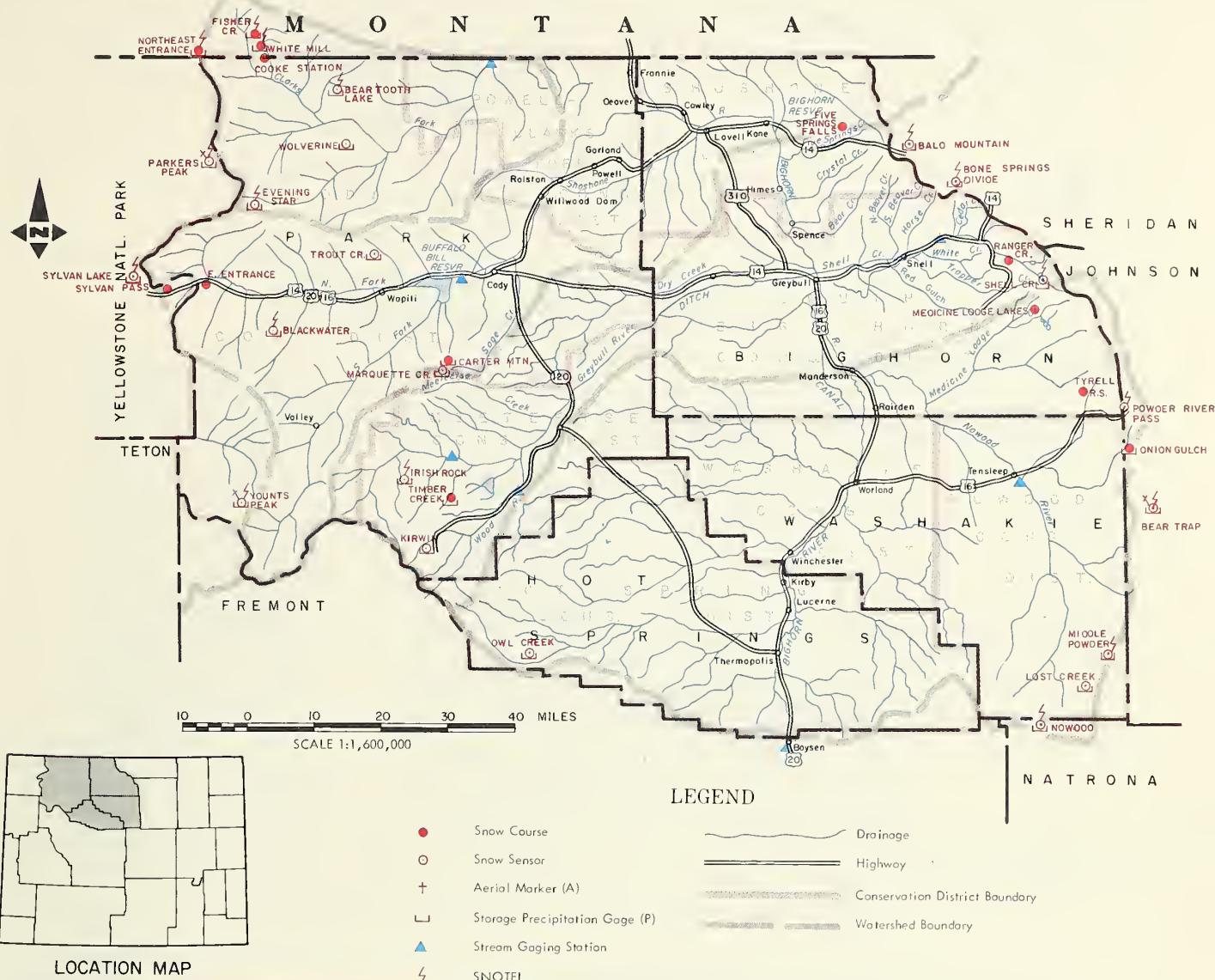


FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BIGHORN BASIN IN WYOMING

APRIL 1, 1980



YOUR WATER SUPPLY

SNOWPACK CONDITIONS IMPROVED DURING MARCH IMPROVING THE WATER SUPPLY OUTLOOK. SNOW COVER RANGES FROM 68% ON THE NOWOOD TO 98% OF AVERAGE ON THE SHOSHONE RIVER DRAINAGE. STREAMFLOWS WITHIN THE BASIN WILL BE 37% BELOW NORMAL TO ONLY 1% BELOW FOR THE WIND BELOW BOYSEN. RESERVOIR STORAGE IS ABOVE NORMAL FOR THIS DATE.

BIGHORN BASIN

STREAMFLOW FORECASTS

BASIN, STREAM and/or FDRECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year **	Average +
Wind River below Boysen (1)	1180	99	Apr-Sept	903	1193
Tensleep Creek near Tensleep	71	81	Apr-Sept	-	88
Medicine Lodge Creek near Hyattville	18.6	81	Apr-Sept	-	23
Shell Creek near Shell	61	77	Apr-Sept	78	79
Greybull River at Meeteetse	207	92	Apr-Sept	153	226
Shoshone River below Buffalo Bill Dam (2)	810	94	Apr-Sept	654	864
Clarks Fork near Belfry	525	82	Apr-Sept	-	644
South Fork Shoshone near Valley	250	88	Apr-Sept	201	284
Nowood River near Tensleep	45	63	May-Sept	-	71

(1) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Heart Mountain Canal.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Clarks Fork	6	89	87
Shoshone	5	103	98
Nowood	4	87	80
Shell	4	75	68

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Boysen	549.9	294.1	324.9	278.4
Buffalo Bill	373.1	168.6	163.0	155.1
Bighorn	1356.0	843.2	887.3	796.2
Upper Sunshine	53.0	N.R.	49.0	-
Lower Sunshine	58.9	N.R.	21.0	-

SNOW

DRAINAGE BASIN and/or SNDW COURSE	THIS YE/R		PAST REC	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Water Content (inches) Last Yr. Ave+
Bald Mountain	3/29	60	15.3	20.8 25.2
Bear Trap Aerial	4/04	33	7.9	7.8 10.0
Bone Spring Divide	3/29	56	14.0	18.0 19.9
Carter Mountain	3/29	28	5.8	6.0 5.0
Cooke Station	3/28	58	16.8	21.2 21.3
East Entrance	4/01	36	13.3	9.3 9.6
Fisher Creek	3/28	100	35.3	36.0 38.7
Five Springs Falls	3/28	23	5.2	5.7 8.4
Marquette Creek	3/29	29	6.5	6.0 -
Medicine Lodge Lakes	4/04	40	9.9	13.6 12.1
Middle Powder	4/02	45	9.2	7.6 12.6
Northeast Entrance	3/31	32	7.6	10.1 10.4
Onion Gulch	4/04	32	7.8	10.2 9.6
Owl Creek	4/03	32	5.8	6.1 5.5
Powder River Pass	4/04	39	10.5	11.6 12.7
Ranger Creek	3/29	34	7.0	10.0 10.1
Shell Creek	3/29	44	11.0	14.5 14.8
Sylvan Pass	4/01	44	14.0	11.6 14.5
Timber Creek	4/01	29	4.2	5.8 3.1
Tyrell Ranger Station	4/04	30	7.4	8.7 9.1
White Mill	3/28	78	25.6	28.5 29.7
Wolverine	3/31	47	12.6	16.6 13.6
Younts Peak Aerial	3/29	54	18.4	18.4 23.6

+ 1963-1977 period

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SDIL CONSERVATION SERVICE
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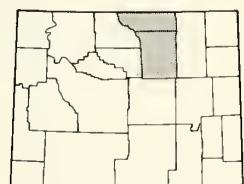
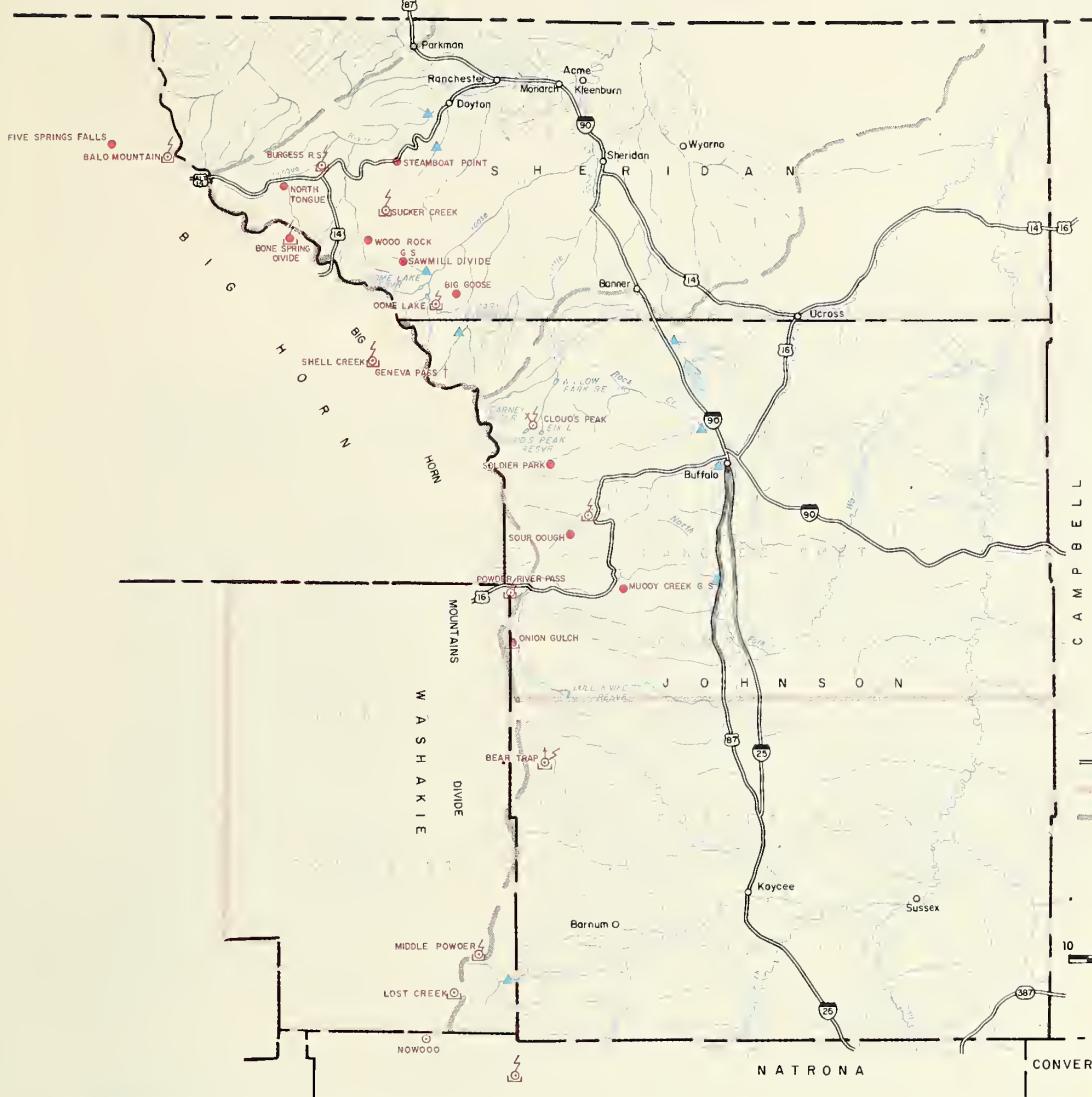
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE POWDER AND TONGUE WATERSHEDS IN WYOMING

APRIL 1, 1980

M O N T A N A



LOCATION MAP



LEGEND

- ⚡ SNOTEL
- Snow Course
- Snow Sensor
- ⊕ Aerial Marker (A)
- Storage Precipitation Gage (P)
- ▲ Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary

SCALE 1:125,000

YOUR WATER SUPPLY

SOME IMPROVEMENT IN THE SNOWPACK WAS RECORDED, HOWEVER THE TONGUE RIVER IS STILL 27% BELOW NORMAL. WITH GOOD SNOWS AT THE HEAD OF CLEAR CREEK, STREAMFLOWS IN THAT AREA WILL BE ONLY 10-20% BELOW NORMAL. THE TONGUE RIVER NEAR DAYTON IS FORECAST AT 81% OF AVERAGE.

POWDER AND TONGUE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	THOUSAND ACRE FEET	PERCENT OF AVERAGE		LAST YEAR	AVERAGE +
Tongue River near Dayton	104	81	Apr-Sept	78	129
Middle Fork Powder River near Barnum	17.3	79	Apr-Sept	11.3	22
North Fork Powder River near Hazelton	9.1	85	Apr-Sept	9.3	10.7
Clear Creek near Buffalo	35	90	Apr-Sept	44	39
Rock Creek near Buffalo	22	85	Apr-Sept	17	26
Piney Creek at Kearny	45	79	Apr-Sept	34	57

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

* Less than 15 years of record.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Tongue River	9	80	73
Goose Creek	3	79	73
Clear Creek	3	104	100
Crazy Woman Creek	3	87	92
Powder River	6	101	90

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
- No Reservoir Data -				

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Water Content (inches)
	Last Yr.	Ave+		
Bald Mountain	3/29	60	15.3	20.8 25.2
Bear Trap Aerial	4/04	33	7.9	7.8 10.0
Big Goose	3/29	32	7.0	7.3 8.9
Bone Spring Divide	3/29	56	14.0	18.0 19.9
Burgess Ranger Station	3/29	31	7.2	8.4 9.3
Cloud Peak Aerial	4/04	60	12.5	9.2 12.4
Dome Lake	3/29	36	7.9	11.1 10.8
Five Springs Falls	3/28	23	5.2	5.7 8.4
Geneva Pass Aerial	3/29	54	11.9	14.0 17.3
Middle Powder	4/02	45	9.2	7.6 12.6
Muddy Creek Guard Station	4/04	31	6.0	6.0 4.2
North Tongue	3/29	46	11.4	14.2 14.9
Onion Gulch	4/04	32	7.8	10.2 9.6
Powder River Pass	4/04	39	10.5	11.6 12.7
Sawmill Divide	3/29	44	10.1	14.0 -
Shell Creek	3/29	44	11.0	14.5 14.8
Soldier Park	4/04	41	7.3	5.9 6.4
Sour Dough	4/04	45	8.3	7.6 7.1
Steamboat Point	3/29	32	7.6	9.2 9.4
Sucker Creek	3/29	37	9.3	11.1 14.6
Woodrock Guard Station	3/29	36	8.2	10.2 11.6

A - Aerial stadia marker. Water content estimated. + 1963-1977 period

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SOIL CONSERVATION SERVICE
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**WATER SUPPLY OUTLOOK
FOR THE CONSERVATION DISTRICTS IN THE
BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS
IN WYOMING AND SOUTH DAKOTA**

U.S. DEPARTMENT OF AGRICULTURE, CIVIL CONSERVATION SERVICE

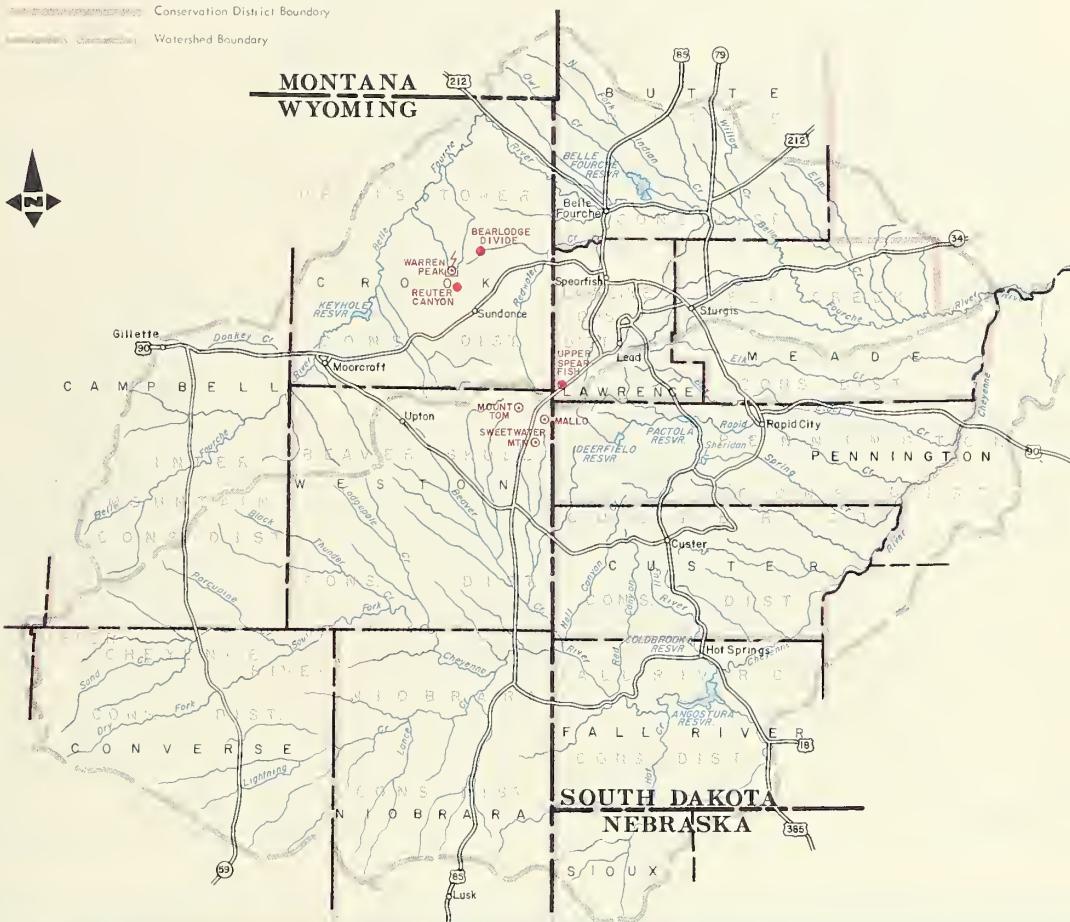
LEGEND

APRIL 1, 1980

- Snow Course
 - Snow Sensor
 - † Aerial Marker (A)
 - Storage Precipitation Cage (P)
 - ▲ Stream Gaging Station
 - ~~~~ Drainage
 - Highway
 - Conservation District Boundary
 - Watershed Boundary
- 10 0 10 20 30 40 MILES
SCALE 1:1,000,000



LOCATION MAP



YOUR WATER SUPPLY

A WELL BELOW NORMAL SNOWPACK IN THIS AREA WILL LEAD TO BELOW AVERAGE RUNOFF VOLUMES LATER IN THE SPRING. RESERVOIR STORAGE CONTINUES TO BE NORMAL EXCEPT IN SHADEHILL WHICH IS 25% BELOW AVERAGE.

BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year
<i>- No forecasts for this area -</i>				

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Belle Fourche	3	97	70

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR		PAST REC.	
		Snow Depth (In.)	Water Cont. (In.)	Last Yr.	Ave+ Yr.
Bearlodge Divide	4/02	3	0.6	2.0	3.3
Mallo Pillow	3/30	-	7.7	8.4	-
Mount Tom Pillow	4/01	-	0.0	6.1	-
Reuter Canyon	4/02	37	9.2	9.0	10.2
Sweetwater Mtn. Pillow	3/30	-	5.0	7.6	-
Upper Spearfish	3/28	25	5.6	6.6	8.3
Warren Peak	4/02	38	7.4	6.8	11.1

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Keyhole	190.4	139.6	158.6	125.1
Belle Fourche	185.2	108.5	163.3	141.6
Angostura	86.2	85.8	85.5	71.8
Deerfield	15.1	15.1	15.0	14.5
Pactola	55.0	53.6	53.6	51.2
Shadehill	81.5	46.0	62.9	61.0

+ 1963-1977 period

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WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER NORTH PLATTE RIVER WATERSHED IN WYOMING

APRIL 1, 1980

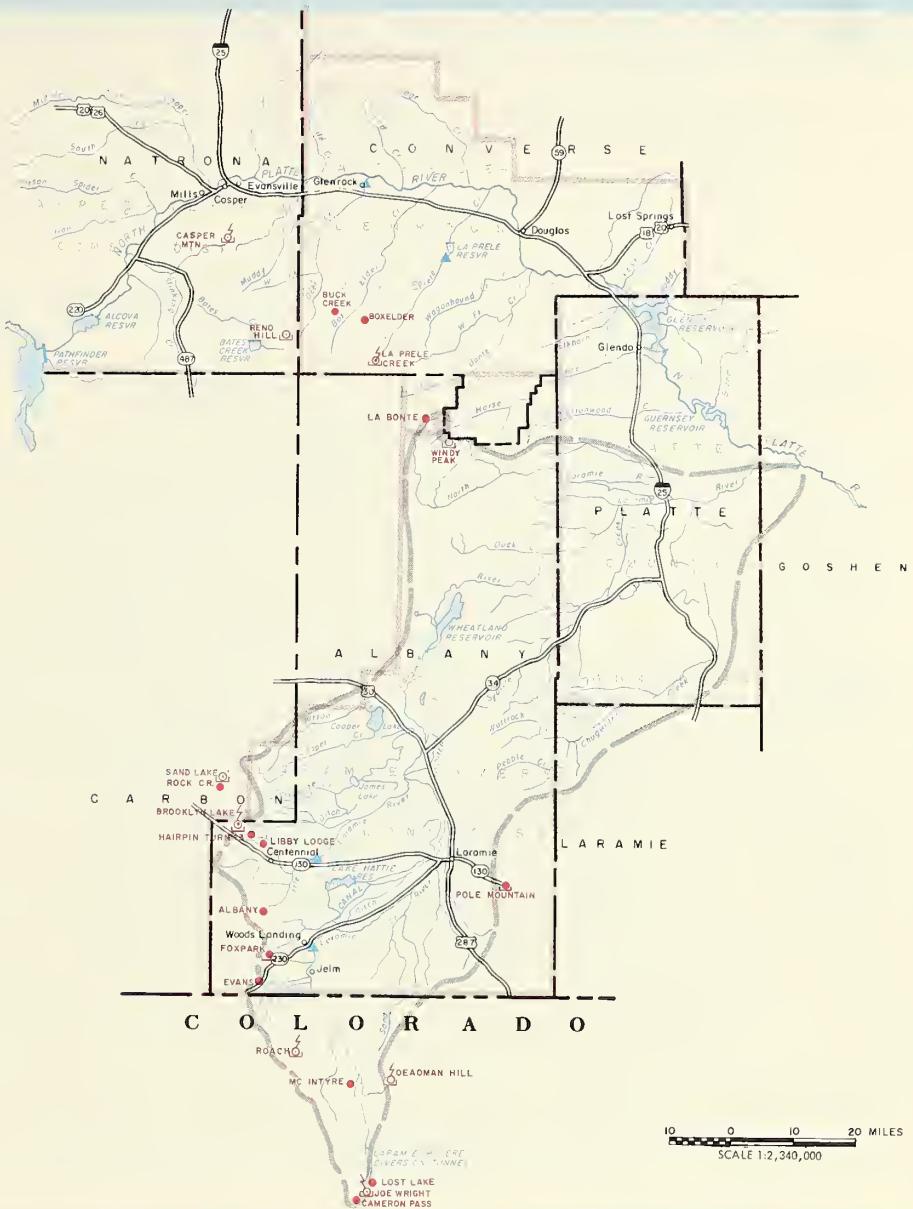


LOCATION MAP



LEGEND

- ⚡ SNOTEL
- Snow Course
- Snow Sensor
- Storage Precipitation Gage (P)
- ▲ Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary



YOUR WATER SUPPLY

ABOVE NORMAL SNOWPACK LEVELS WILL HELP PRODUCE ABOVE AVERAGE STREAMFLOW VOLUMES. THE NORTH PLATTE RIVER NEAR SINCLAIR IS FORECAST AT 30% ABOVE NORMAL. STORAGE IN THE NORTH PLATTE SYSTEM RESERVOIRS IS ABOVE AVERAGE.

LOWER NORTH PLATTE RIVER WATERSHED

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average +
North Platte River near Sinclair	884	130	Apr-Sept	853	670
Deer Creek at Glenrock	50	100	Mar-July	13.7	50
LaPrele Creek near Douglas (Ab. Reservoir)	35	117	Apr-July	8.8	30
Laramie River & Pioneer Canal near Woods (1)	155	124	Apr-Sept	160	125
Little Laramie River near Filmore	75	121	Apr-Sept	94	62

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.
** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Upper Laramie	10	101	127
Little Laramie	4	93	119
Laramie River	15	99	126
North Platte ab.			
Laramie River	19	103	122
Deer & LaPrele Creeks	4	118	109
North Platte in WY	27	102	123

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Seminole	1017.3	361.7	340.1	358.2
Pathfinder	1015.9	857.3	731.7	595.5
Alcova	30.7	3.8	2.8	6.1
Glendo	783.7	496.5	458.7	424.8
Guernsey	45.2	13.9	11.0	24.6
Wheatland #2	98.9	57.8e	52.0	50.8

PROJECT WATER OWNERSHIP

North Platte Project	1016.1	767.9	762.8	-
Kendrick Project	1201.6	842.2	675.2	-
Glendo Project Users	454.3	165.8	148.3	-

e - estimated

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)
	Last Yr.	Ave	+/-	
Albany	3/27	58	19.2	19.1
Boxelder	3/30	43	9.3	7.1
Brooklyn Lake	3/27	71	25.2	22.5
Buck Creek	3/30	49	10.5	10.0
Cameron Pass	3/28	84	28.5	30.9
Casper Mountain	4/01	59	15.8	13.5
Deadman Hill	3/27	59	19.3	19.3
Evans	3/27	51	15.2	15.2
Foxpark	3/28	42	10.5	6.7
Hairpin Turn	3/27	60	21.1	23.7
Joe Wright	3/28	86	27.7	25.6
LaBonte	3/30	35	9.8	8.4
Libby Lodge	3/27	43	14.0	16.1
Lost Lake	3/28	50	15.3	14.6
McIntyre	3/27	45	14.0	15.0
Pole Mountain	3/28	51	13.5	10.3
Roach	3/27	72	24.0	24.7
Rock Creek	- Delayed	-	-	28.4

+ 1963-1977 period.

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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS IN WYOMING

**U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE
WATER SUPPLY OUTLOOK**

APRIL 1, 1980



YOUR WATER SUPPLY

MARCH STORMS HELPED SUSTAIN THE ABOVE AVERAGE SNOWPACK THROUGHOUT THIS AREA. SUMMER STREAMFLOWS WILL BE 22 TO 30% ABOVE NORMAL. STORAGE IN SEMINOE IS AVERAGE AS OF APRIL 1.

UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average +
North Platte River near Northgate	300	126	Apr-Sept	376	238
North Platte River near Sinclair	884	130	Apr-Sept	853	680
Encampment River near Encampment	185	122	Apr-Sept	209	152
Rock Creek near Arlington	72	124	Apr-Sept	63	58
Little Snake near Dixon	395	123	Apr-Sept	349	320
Little Snake near Slater, Colo.	195	127	Apr-Sept	186	154

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Upper North Platte	15	102	124
Encampment	2	93	122
Brush Creek	3	126	130
N. Platte ab. Sinclair	16	101	123
N. Platte ab Laramie R.	19	103	122
Little Snake River	2	94	123
N. Platte in Wyoming	27	102	123

RESERVOIR STORAGE (thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Seminoe	1017.3	361.7	340.1	358.2

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)
	Last Yr.	Ave +		
Albany	3/27	58	19.2	19.1 14.9
Battle Mountain	- Delayed -	-	12.8	-
Brooklyn Lake	3/27	71	25.2	26.2 22.5
Butter Hill	3/25	56	17.5	18.4 -
Cameron Pass	3/28	84	28.5	30.9 28.2
Deep Creek	- Delayed -	-	18.0	-
Deep Lake	- Delayed -	-	41.0	40.9
Elkhorn	3/25	84	28.5	- -
Elk River	3/25	66	22.8	23.8 17.3
Evans	3/27	51	15.2	15.2 11.4
Foxpark	3/28	42	10.5	10.5 6.7
Hairpin Turn	3/27	60	21.1	23.7 17.7
Haskins Creek	- Delayed -	-	36.0	-
LaBonte	3/30	35	9.8	8.4 5.5
Libby Lodge	3/27	43	14.0	16.1 11.6
Moss Lake	- Delayed -	-	26.6	25.7
North Barrett Creek	3/27	80	26.0	21.6 21.4
North French Creek Pillow	3/27	-	33.2	25.3 23.5
Old Battle	- Delayed -	-	43.6	34.2
Purgatory Gulch	- Delayed -	-	-	11.7
Rock Creek	- Delayed -	-	28.4	28.3
Ryan Park	3/27	45	14.4	11.4 11.9
Sandstone Ranger Station	- Delayed -	-	18.4	-
Webber Spring	- Delayed -	-	29.6	21.5
Whiskey Creek	3/26	93	34.3	- -

+ 1963-1977 period

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WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
1979-1980 Water Year

APRIL 1, 1980



YOUR WATER SUPPLY

SNOWPACK CONDITIONS ON THE UPPER REACHES OF THE RIVER IMPROVED SLIGHTLY OVER THE MONTH. ELSEWHERE IN THE BASIN, CONDITIONS REMAIN ABOVE AVERAGE. STREAMFLOWS WILL RANGE FROM 12% BELOW AVERAGE ON THE UPPER WIND TO 17% ABOVE AVERAGE ON THE LITTLE POPO AGIE. BOYSEN RESERVOIR IS STORING ABOVE AVERAGE AMOUNTS OF WATER.

WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year **	Average +
Wind River near Dubois	97	88	Apr-Sept	85	110
Wind River at Riverton (1)	760	109	Apr-Sept	491	695
Wind River below Boysen (2)	1230	103	Apr-Sept	903	1193
Bull Lake Creek near Lenore (3)	212	112	Apr-Sept	145	189
Little Popo Agie near Lander	62	117	Apr-Sept	45	53

(1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.

(3) Observed flow plus change in storage in Bull Lake

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF		THIS YEAR	PAST REC.
		Last Year	Average +		
Upper Wind River	6	103	96		
Popo Agie	4	126	123		
Wind above Boysen	15	111	104		
Sweetwater River	3	128	132		

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage			THIS YEAR	LAST YEAR	AVERAGE +	THIS YEAR	PAST REC.
		This Year	Last Year	Average +					
Bull Lake	151.8	78.6	106.6	87.0					
Pilot Butte	31.6	11.8	18.1	20.1					
Boysen	549.9	294.1	324.9	278.4					

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	THIS YEAR		PAST REC.
				Last Yr.	Ave.	
Big Warm Springs	3/29	23	5.4	5.8	6.9	
Blue Ridge	3/25	57	17.6	11.3	13.1	
Burroughs Creek	3/30	49	14.5	14.5	14.7	
Castle Creek	3/31	19	4.1	5.9	-	
Dinwoody	4/03	55	10.7	11.5	12.3	
DuNoir	3/29	32	6.5	9.0	9.0	
Geyser Creek	3/29	27	8.3	7.3	7.8	
Grannier Meadows	3/25	62	19.8	15.8	14.9	
Hobbs Park	4/03	79	17.4	11.6	14.2	
Larsen Creek	4/03	55	17.3	13.5	12.5	
Little Warm	3/29	53	15.6	12.9	16.1	
Middle Fork	3/25	39	8.4	7.1	7.2	
Owl Creek	4/03	32	5.8	6.1	5.5	
Sawmill Glade	3/25	40	10.8	9.8	9.4	
Sheridan Ranger Station	3/29	25	7.2	7.6	7.8	
South Pass	3/25	62	19.3	14.6	15.2	
St. Lawrence R.S.	4/03	54	10.3	7.2	7.5	
T-Cross Ranch	3/30	33	9.2	8.2	7.2	
Togwotee Pass	3/28	79	26.7	29.0	30.9	
Townsend Creek	3/25	42	9.0	7.0	-	
Younts Peak Aerial	3/29	54	18.4	18.4	23.6	

+ 1963-1977 period

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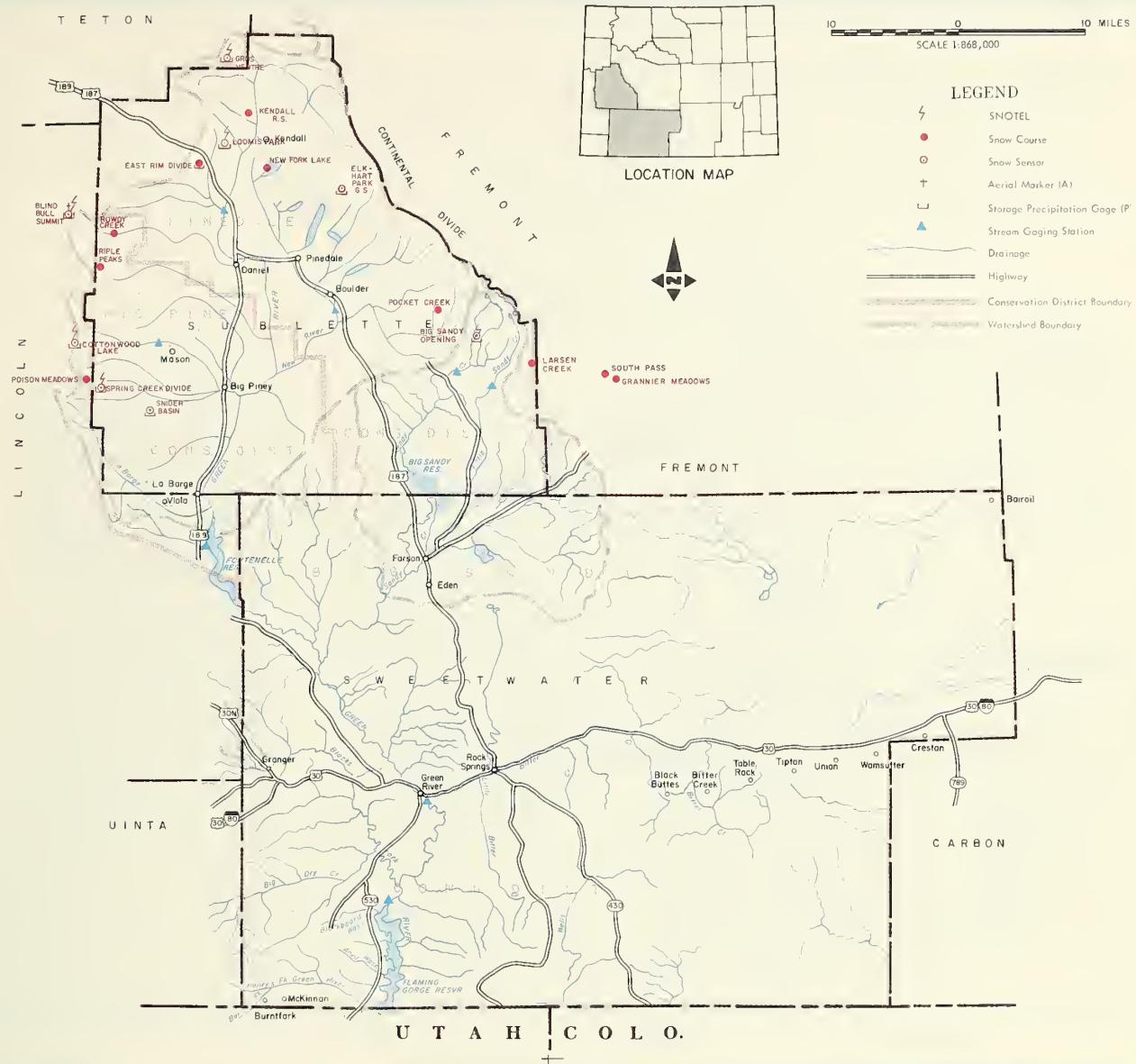
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"The Conservation of Water begins with the Snow Survey"

APRIL 1, 1980

WATERSHED AREA 8

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER GREEN RIVER BASIN IN WYOMING



YOUR WATER SUPPLY

SOME IMPROVEMENT WAS SEEN IN SNOWPACK CONDITIONS OVER THE MONTH, AND IS NOW AT NEAR NORMAL LEVELS. THE MAIN STEM GREEN RIVER WILL HAVE FLOWS 20% BELOW NORMAL WHILE THE BIG SANDY IS EXPECTED TO PRODUCE 20% ABOVE NORMAL RUNOFF. RESERVOIR STORAGE IS AT NORMAL APRIL 1 LEVELS.

UPPER GREEN RIVER BASIN IN WYOMING

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET
	Thousand Acre Feet	Percent of Average		Last Year **
Green River at Warren Bridge	285	85	Apr-Sept	237
Green River near LaBarge	850	85	Apr-Sept	677
Green River near Green River (1)	980	90	Apr-Sept	699
Flaming Gorge Inflow	1450	112	Apr-July	-
LaBarge Creek at LaBarge Meadows	8.5	97	Apr-Sept	6.8
Big Sandy River near Big Sandy	75	119	Apr-Sept	50

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Upper Green, East	5	94	99
Upper Green, West	6	122	111
Big Sandy	2	95	117

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Eden	11.8	N.R.	N.R.	3.3
Big Sandy	38.3	15.3	16.8	20.9
Fontenelle	344.8	185.9	198.7	180.1
Flaming Gorge	3749.0	2245.0	2471.6	-

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (in.)	THIS YEAR		PAST REC.	
			Water Cont. (in.)	Last Yr.	Ave +	Water Content (inches)
Big Sandy Opening	4/03	59	17.6	18.1	14.2	
Blind Bull Summit Aerial	4/02	99	34.6	25.6	28.3	
Cottonwood Lake Aerial	4/02	66	22.4	17.0	17.8	
East Rim Divide	3/27	48	14.6	14.7	13.9	
Elkhart Park G.S.	4/03	47	12.8	14.0	14.5	
Grannier Meadows	3/25	62	19.8	15.8	14.9	
Gros Ventre Summit	3/27	42	9.4	11.0	12.7	
Kendall Ranger Station	3/27	41	12.3	13.6	13.1	
Larsen Creek	4/03	55	17.3	13.5	12.5	
Loomis Park	3/27	58	19.2	19.7	18.7	
New Fork Lake	3/27	38	10.8	11.8	11.8	
Pocket Creek	4/03	50	13.7	15.0	12.5	
Poison Meadows	4/02	89	29.6	26.2	30.2	
Rowdy Creek	3/31	67	22.0	22.4	23.3	
Snider Basin R.S.	4/02	59	18.8	17.4	17.4	
South Pass	3/25	62	19.3	14.6	15.2	
Spring Creek Div. Pillow	4/02	-	25.9	20.8	-	
Triple Peaks	3/31	83	29.6	24.8	26.9	

+ 1963-1977 period

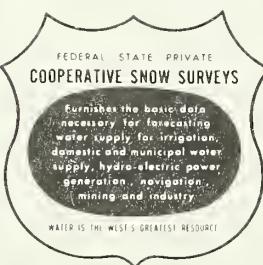
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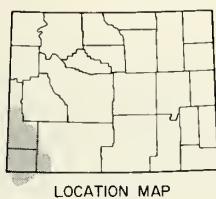
WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE/SOIL CONSERVATION SERVICE
1980 EDITION

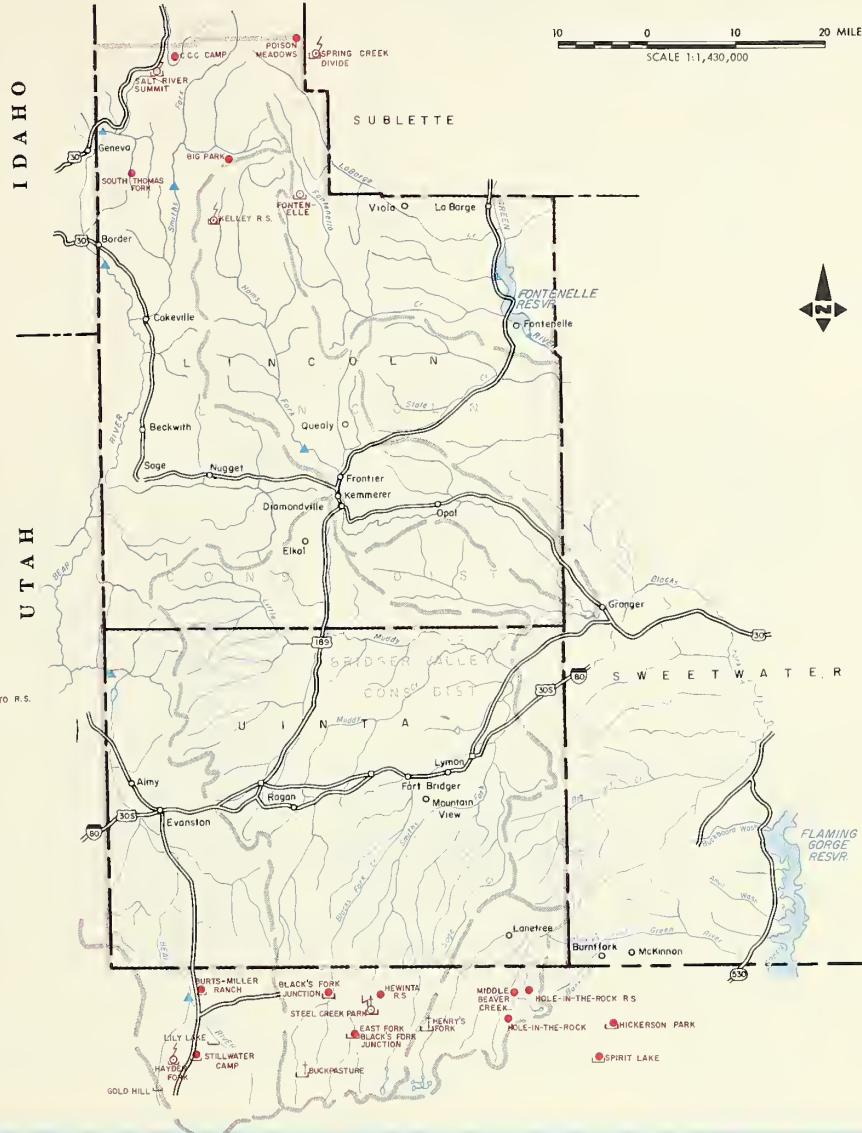
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LEGEND

- ⚡ SNOTEL
- Snow Course
- Snow Sensor
- † Aerial Marker (A)
- Storage Precipitation Gage (P)
- ▲ Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary



LOCATION MAP



YOUR WATER SUPPLY

CONTINUED WELL ABOVE NORMAL SNOWPACK CONDITIONS PREVAIL ON THE NORTH SLOPE OF THE UNTAHAS. STREAMS ON THE LOWER GREEN WILL HAVE WELL ABOVE NORMAL FLOWS, AND THOSE ON THE BEAR RIVER NEAR NORMAL RUNOFF. RESERVOIR STORAGE LEVELS ARE NEAR AVERAGE.

LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET
	Thousand Acre Feet	Percent of Average		Last Year **
LaBarge Creek at LaBarge Meadows	8.5	97	Apr-Sept	6.8
Green River near Green River (1)	980	90	Apr-Sept	699
Hams Fork below Pole Creek, near Frontier	75	104	Apr-Sept	55
Blacks Fork near Millburne	124	135	Apr-July	80
Flaming Gorge Inflow	1450	112	Apr-July	-
Smiths Fork near Border	125	104	Apr-Sept	90
Thomas Fork near State Line	38	109	Apr-Sept	24
Bear River at Utah-Wyoming State Line	132	116	Apr-July	93
Henry's Fork near Linwood, Utah	67	124	Apr-Sept	-

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Upper Bear River	7	126	131
Smith & Thomas Forks	4	111	107

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Fontenelle	344.8	185.9	198.7	180.1*
Flaming Gorge	3749.0	2245.0	2471.6	-
Viva Naughton	42.4	22.9	30.4	29.2

*Less than 15 years

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SNOW COURSE DATA

APRIL 1980

SNOW COURSE	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1963-77
AFTON RANGER STATION	3/27	12	3.2	.0	1.5
ALBANY	3/27	56	19.2	19.1	14.9
ARIZONA	3/26	62	20.1	20.9	19.9
ASTER CREEK	3/26	89	30.5	29.9	31.8
BALD MOUNTAIN	3/29	60	15.3	20.8	25.2
BASE CAMP	3/27	58	18.9	21.4	21.6
BATTLE MOUNTAIN		DELAYED		12.8	-
BEARLODGE DIVIDE	4/02	3	0.6	2.0	3.3*
BEAR TRAP AERIAL	4/04	33	7.9	7.8	10.0
BIG GOOSE	3/29	32	7.0	7.3	8.9
BIG PARK	4/02	67	22.8	17.2	21.2
BIG SANDY OPENING	4/03	59	17.6	18.1	14.2
BIG SANDY OPENING PILLOW	4/03	-	15.5	16.6	-
BIG WARM SPRINGS	3/29	23	5.4	5.8	6.9
BLACKROCK	3/28	63	20.8	21.8	22.3
BLACK'S FORK GS-EAST FK	3/24	44	13.6	11.7	9.0
BLACK'S FORK JUNCTION	3/24	47	15.1	11.0	9.2
BLIND BULL SUMMIT AERIAL	4/02	99	34.6	25.6	28.3
BLUE RIDGE	3/25	57	17.6	11.3	13.1
BONE SPRING DIVIDE	3/29	56	14.0	18.0	19.9
BOXELDER	3/30	43	9.8E	7.1	8.3
BROOKLYN LAKE	3/27	71	25.2	26.2	22.5
BROOKLYN LAKE PILLOW		NO REPORT		17.5	-
BRYAN FLAT	3/24	30	9.7	10.8	9.2
BUCK CREEK	3/30	49	10.5E	10.0	13.3*
BURGESS RANGER STATION	3/29	31	7.2	8.4	9.3
BURROUGHS CREEK	3/30	49	14.5	14.5	14.7
BURROUGHS CREEK PILLOW	3/30	-	12.3	13.7	-
BURTS-MILLER RANCH	3/24	30	9.3	5.3	6.1
BUTTER HILL	3/25	56	17.5	18.4	-
CAMERON PASS	3/28	84	28.5	30.9	28.2
CANYON	4/01	52	15.0	16.4	16.9
CANYON PILLOW		NO REPORT		16.3	-
CARTER MOUNTAIN	3/29	28	5.8	6.0	5.0
CASPER MOUNTAIN	4/01	59	15.8	13.5	15.1
CASPER MOUNTAIN PILLOW	4/01	-	16.9	11.8	-
CASTLE CREEK	3/31	19	4.1	5.9	-
CCC CAMP	3/28	48	13.6	13.4	13.4
CHAMBERS LAKE	3/28	42	13.4	13.2	9.0
CLOUD'S PEAK AERIAL	4/04	60	12.5	9.2	12.4
COLUMBINE LODGE	3/26	76	26.4	27.2	23.2
COOKE STATION	3/28	58	16.8	21.2	21.3*
COTTONWOOD LAKE AERIAL	4/02	66	22.4	17.0	17.8
COULTER CREEK	3/26	64	20.3	23.7	23.4

SNOW COURSE	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1963-77
CREVICE MOUNTAIN	3/27	36	8.9	12.4	11.5
DARBY CANYON	4/01	71	22.5	23.6	22.3
DEADMAN HILL	3/27	59	19.3	19.3	15.5
DEEP CREEK		DELAYED		18.0	-
DEEP LAKE		DELAYED		41.0	40.9*
DINWOODY	4/03	55	10.7	11.5	12.3
DINWOODY PILLOW		NO REPORT		13.7	-
DOME LAKE	3/29	36	7.9	11.1	10.8
DU NOIR	3/29	32	6.5	9.0	9.0
EAST ENTRANCE	4/01	36	13.3	9.3	9.6
EAST RIM DIVIDE	3/27	48	14.6	14.7	13.9
ELBO RANCH	3/28	40	10.7	15.0	-
ELKHART PARK G.S.	4/03	47	12.8	14.0	14.5
ELKHORN	3/25	84	28.5	-	-
ELK RIVER	3/25	66	22.8	23.8	17.3
EVANS	3/27	51	15.2	15.2	11.4
FISHER CREEK	3/28	100	35.3	36.0	38.7*
FIVE SPRINGS FALLS	3/28	23	5.2	5.7	8.4
FOUR MILE MEADOWS	3/28	42	12.1	13.4	13.7
FOXPARK	3/28	42	10.5	10.5	6.7
FRED'S MOUNTAIN	3/28	70	23.8	23.8	20.7E
GENEVA PASS AERIAL	3/29	54	11.9	14.0	17.3
GEYSER CREEK	3/29	27	8.3	7.3	7.8
GLADE CREEK	3/26	69	23.3	26.7	23.6
GRANNIER MEADOWS	3/25	62	19.8	15.8	14.9
GRASSY LAKE	3/26	90	31.3	38.9	36.6
GREYS BOUNDARY	3/27	35	10.4	15.8	11.8
GROS VENTRE SUMMIT	3/27	42	9.4	11.0	12.7
GROS VENTRE SUMMIT PILLO	3/27	-	12.4	12.0	-
GROVER PARK DIVIDE	3/28	46	13.6	11.6	13.4
HAIRPIN TURN	3/27	60	21.1	23.7	17.7
HASKINS CREEK		DELAYED		36.0	-
HAYDEN FORK	3/24	63	23.0	17.5	15.9
HEWINTA GUARD STATION		NO REPORT		12.0	9.4
HICKERSON PARK	3/25	44	14.6	5.7	5.9*
HOBBS PARK	4/03	79	17.4E	11.6	14.2
HOBBS PARK PILLOW		NO REPORT		15.8	-
HUCKLEBERRY DIVIDE	3/26	63	20.8	25.9	22.1
INDIAN MEADOWS	3/31	100	35.8	36.8	37.4*
JACKPINE CREEK	3/31	62	24.2	20.6	23.0*
JOE WRIGHT	3/28	86	27.7	25.6	24.4
KELLY RANGER STATION	4/02	67	23.2	18.8	18.3
KELLY RANGER STA PILLOW	4/02	-	18.3	17.0	-
KENDALL RANGER STATION	3/27	41	12.3	13.6	13.1
LA BONTE	3/30	35	9.8	8.4	5.5
LA CAMP	4/01	38	11.5	10.5	10.1
LA PRELE PILLOW	3/21	45	11.2	-	-
LARSEN CREEK	4/03	55	17.3	13.5	12.5
LEWIS LAKE DIVIDE	3/26	11.1	41.6	40.7	43.2
LEWIS LAKE DIVIDE PILLOW	3/26	-	33.6	33.3	-

SNOW COURSE	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1963-77
LIBBY LODGE	3/27	43	14.0	16.1	11.6
LITTLE WARM	3/29	53	15.6	12.9	16.1
LITTLE WARM PILLOW	3/29	-	10.9	9.3	-
LOOMIS PARK	3/27	58	19.2	19.7	18.7
LOST LAKE	3/28	50	15.3	14.6	11.1
LUPINE CREEK	3/31	39	9.5	11.4	11.1
MALLO PILLOW	3/30	-	7.7	8.4	-
MARQUETTE CREEK	3/29	29	6.5	6.0	-
MCINTYRE	3/27	45	14.0	15.0	10.6
MEDICINE LODGE LAKES	4/04	40	9.9	13.6	12.1
MIDDLE FORK	3/25	39	8.4	7.1	7.2*
MIDDLE POWDER	4/02	45	9.2	7.6	12.6
MIDDLE POWDER PILLOW			NO REPORT	8.5	-
MILES CREEK			NO REPORT	14.2	14.1E
MONTE CRISTO	4/02	81	31.1	24.7	25.9
MORAN	3/27	40	12.8	14.9	13.3
MORAN BAY	3/27	64	22.0	25.7	22.5
MOSS LAKE			DELAYED	26.6	25.7*
MOUNT TOM PILLOW	4/01	-	0.0	6.1	-
MUDGY CREEK GUARD STATION	4/04	31	6.0	6.0	4.2
NEW FORK LAKE	3/27	38	10.8	11.8	11.8
NORRIS BASIN	3/30	35	9.5	11.3	11.8
NORTH BARRETT CREEK	3/27	80	26.0	21.6	21.4
NORTHEAST ENTRANCE	3/31	32	7.6	10.1	10.4
NORTH FRENCH CREEK PILLOW	3/27	-	33.2	25.3	23.5
NORTHGATE	3/27	37	9.9	8.0	6.2
NORTH TONGUE	3/29	46	11.4	14.2	14.9
OLD BATTLE			DELAYED	43.6	34.2
OLD BATTLE PILLOW			DELAYED	43.3	-
OLD FAITHFUL	3/31	55	15.8	16.6	-
ONION GULCH	4/04	32	7.8	10.2	9.6
OWL CREEK	4/03	32	5.8	6.1	5.5*
PARKER'S PEAK AERIAL	3/29	90	29.7	31.6	32.7*
PARK VIEW	3/27	42	10.8	12.7	9.1
PHILLIPS BENCH	3/24	75	26.0	33.0	30.6*
PHILLIPS BENCH PILLOW			NO REPORT	27.6	-
PITCHSTONE PLATEAU AERIAL	3/29	169	60.8	66.0	56.7*
POCKET CREEK	4/03	50	13.7	15.0	12.5
POISON MEADOWS	4/02	89	29.6	26.2	30.2
POLE MOUNTAIN	3/28	51	13.5	10.3	7.3
POWDER RIVER PASS	4/04	39	10.5	11.6	12.7*
PURGATORY GULCH			DELAYED	-	11.7*
RABBIT EARS	3/26	96	29.4	28.9	25.1
RANGER CREEK	3/29	34	7.0	10.0	10.1
REUTER CANYON	4/02	37	9.2	9.0	10.2*
ROACH	3/27	72	24.0	24.7	18.2
ROCK CREEK			DELAYED	28.4	28.3
ROWDY CREEK	3/31	67	22.0	22.4	23.3
RYAN PARK	3/27	45	14.4	11.4	11.9
SALT RIVER SUMMIT	3/27	55	16.4	18.4	16.9

SNOW COURSE	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1963-77
SALT RIVER SUMMIT PILLOW	3/27	-	18.9	-	-
SANDSTONE RANGER STATION		DELAYED		18.4	-
SAWMILL DIVIDE	3/29	44	10.1	14.0	-
SAWMILL GLADE	3/25	40	10.8	9.8	9.4*
SHELL CREEK	3/29	44	11.0	14.5	14.8
SHERIDAN RANGER STATION	3/29	26	7.2	7.6	7.8
SNAKE RIVER STATION	3/26	64	20.3	23.7	21.6
SNIDER BASIN RANGER STA	4/02	59	18.8	17.4	17.4
SNOW KING MOUNTAIN	3/31	51	15.0	18.4	15.7
SOLDIER PARK	4/04	41	7.3	5.9	6.4
SOUR DOUGH	4/04	45	8.3	7.6	7.1
SOUTH BRUSH CREEK PILLOW	3/27	-	18.1	14.7	-
SOUTH PASS	3/25	62	19.3	14.6	15.2
SOUTH THOMAS FORK	4/02	54	16.6	16.6	17.1*
SPIRIT LAKE	3/25	65	19.1	18.0	12.1
SPRING CREEK DIVIDE PILL	4/02	-	25.9	20.8	-
STATE LINE	3/28	45	14.2	18.4	15.3
STEAMBOAT POINT	3/29	32	7.6	9.2	9.4
STEEL CREEK PARK	3/24	66	21.0	17.0	15.6
STILLWATER CAMP	3/24	49	15.7	10.7	11.3*
ST. LAWRENCE RANGER STA	4/03	54	10.3E	7.2	7.5
ST. LAWRENCE R.S. PILLOW	4/03	-	11.2	8.4	-
SUCKER CREEK	3/29	37	9.3	11.1	14.6
SWEETWATER MOUNTAIN PILL.	3/30	-	5.0	7.6	-
SYLVAN PASS	4/01	44	14.0	11.6	14.5
T-CROSS RANCH	3/30	33	9.2	8.2	7.2
TETON PASS W.S.	3/24	65	20.7	30.4	27.7*
THUMB DIVIDE	3/26	66	20.7	20.3	22.1
TIMBER CREEK	4/01	29	4.2	5.8	3.1
TOGWOTEE PASS	3/28	79	26.7	29.0	30.9
TOGWOTEE PASS PILLOW	3/28	-	21.9	24.1	-
TOWNSEND CREEK	3/25	42	9.0	7.0	-
TRIAL LAKE	3/26	102	38.6	27.0	23.5
TRIPLE PEAKS	3/31	83	29.6	24.8	26.9
TURPIN MEADOWS	3/28	33	10.0	11.7	10.6
TWENTY-ONE MILE	4/02	44	12.8	18.6	19.6
TWO OCEAN PLATEAU AERIAL	3/29	75	26.0	27.2	32.3*
TYRELL RANGER STATION	4/04	30	7.4	8.7	9.1
UPPER SPEARFISH	3/28	25	5.6	6.6	8.3
WARREN PEAK	4/02	38	7.4	6.8	11.1*
WEBBER SPRING		DELAYED		29.6	21.5
WEBBER SPRING PILLOW		DELAYED		37.7	-
WEST YELLOWSTONE	4/01	39	9.5	14.3	12.8
WHISKEY CREEK	3/26	93	34.3	-	-
WHITE MILL	3/28	78	25.6	28.5	29.7*
WILLOW CREEK PASS	3/27	52	16.0	17.9	12.2
WOLVERINE	3/31	47	12.6	16.6	13.6*
WOOD ROCK GUARD STATION	3/29	36	8.2	10.2	11.6
YOUNG'S RANCH AERIAL	4/02	60	18.6	19.0	19.0*
YOUNTS PEAK AERIAL	3/29	54	18.4	18.4	23.6*

E ESTIMATED

* LESS THAN 15 YEARS

BASIC DATA SUPPLEMENT 2

PRECIPITATION (Inches) FOR MONTH OF MARCH

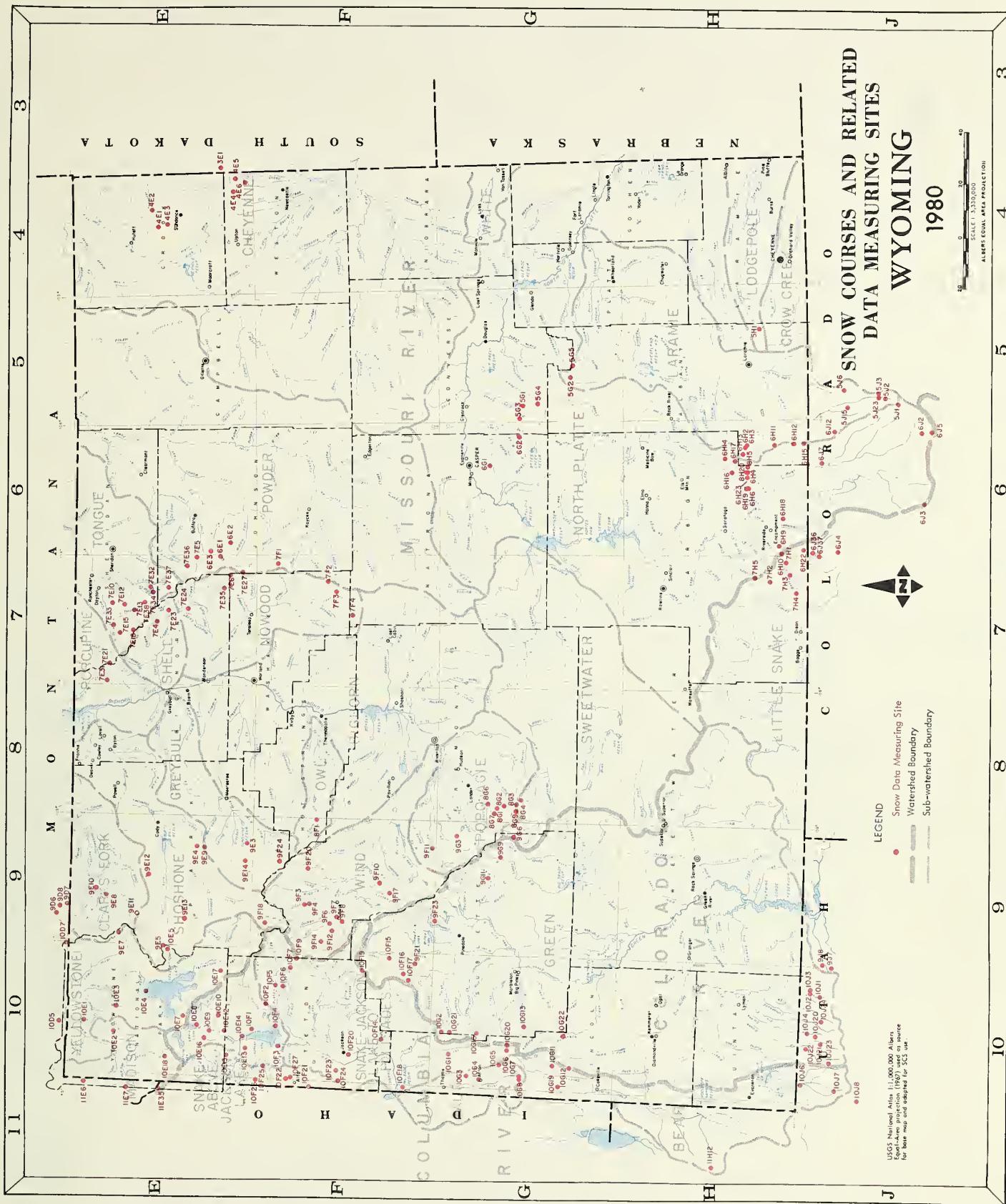
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION		PAST RECORD	
		Date of Reading	Precipitation	Last Year	Average +
Arrastrre Lake	10280	- No Report -	4.40	-	
Bald Mountain	9380	3/29	3.50	2.90	-
Battle Mountain	7440	- No Report -	-	-	
Bearlodge Divide (Alva) (NWS)	4390	3/31	1.38	0.59	1.68
Big Sandy Opening	9080	4/03	2.50	1.50	2.19
Blind Bull Summit	8650	- No Report -	-	-	
Bone Springs Divide	9350	- No Report -	2.30	-	
Brooklyn Lake	10220	3/27	3.37	3.38	3.20
Burgess R.S.	7880	- No Report -	-	-	
Burroughs Creek	8750	3/30	3.50	1.75	-
Canyon	7940	- No Report -	1.25	-	
Carter Mountain	7950	3/29	1.54	1.90	2.14*
Casper Mountain	7850	4/01	3.82	3.81	3.17
Dinwoody	10160	- No Report -	2.00	-	
Dome Lake	8870	3/29	2.50	2.40	-
East Rim Divide	7930	- No Report -	0.00	1.87	
Elkhart Park G. S.	9400	4/03	1.50	2.00	2.21*
Grassy Lake	7265	3/26	6.10	3.60	5.44
Gros Ventre Summit	8750	3/29	2.62	2.25	-
Grover Park Divide	7000	3/28	3.60	1.40	3.74*
Haskins Creek	8975	- No Report -	-	-	
Hobbs Park	10100	4/03	4.25	2.75	-
Kelley Ranger Station	8180	4/02	4.25	5.75	3.09*
Lewis Lake Divide	7850	3/26	5.00	4.55	6.78*
Little Warm	9620	3/29	2.50	1.00	-
Loomis Park	8240	- No Report -	2.00	-	
Louis Lake	8500	3/25	1.50	2.02	2.62*
Middle Powder	7760	- No Report -	2.00	-	
Moran (NWS)	6500	3/31	2.29	0.84	2.14
North French Creek	10125	3/27	4.50	4.30	4.08*
Old Battle	9920	- No Report -	7.8e	4.82*	
Onion Gulch	8780	- No Report -	1.40e	2.63*	
Owl Creek	8975	4/03	1.50	2.25	-
Phillips Bench	8200	3/24	3.75	3.70	-
Pole Mountain	8360	- No Report -	3.20	1.88*	
Powder River Pass	9480	4/04	3.10	2.00	2.23
Salt River Summit	7700	3/27	3.30	1.57	2.98
Sandstone R.S.	8150	- No Report -	-	-	
Shell Creek	9580	3/29	3.20	-	
Snake River Station (NWS)	6920	3/31	3.53	1.35	2.79
Snider Basin	8060	4/02	3.00	1.40e	2.30
South Brush Creek	8440	3/27	2.75	2.50	-
Spring Creek Divide	9000	4/02	4.00	1.75	-
St. Lawrence R.S.	8960	4/03	4.25	-	-
Sucker Creek	8880	3/29	2.37	2.20	-
Sweetwater Mountain	5860	3/30	2.75	0.50	-
Sylvan Lake	7100	- No Report -	-	-	
Timber Creek	7950	4/01	3.25	-	1.60*
Togwotee Pass	9580	3/28	3.20	3.10	4.40
Townsend Creek	8700	- No Report -	2.25	-	
Warren Peak	6520	4/01	2.75	1.30e	1.02*
Webber Spring	9250	- No Report -	4.75	-	
Wolverine	7650	3/31	3.50	1.50	-

* Less than 15 years

e Estimated value

(NWS) National Weather Service gage





INDEX TO WYOMING SNOW COURSES AND DATA SITES

DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV. LAV.	ELEV. MS.	LOCATION LONG.	LOCATION LAT.	SLOPE TOP	SLOPE BOT.	RANGE LONG.	LOCATION		WYOMING NUMBER	WYOMING BASIN AND COURSE NAME	ELEV.	LAT.	SEC.— TOP	SEC.— BOT	RANGE LONG.
									WYOMING NUMBER	ELEV. TOP							
MISSOURI RIVER DRAINAGE																	
Madison River	11052	7050	27	155	55*	100*2*	107*24*	117*27*	Steamboat Point	Tongue River (continued)	10111	Big Park	8620	7	27N	117W	
Black Bear m	11053	7500	40*45*	110*49*	8880	44*44*	44*44*	107*27*	Sucker Creek	7610*	7560	29	55N	8774	818*	33	3N
Old Faithful	10182	7500	40*27*	110*49*	7513	8440	44*44*		Wood Rock G.S.	7611*	8880	10	55N	8850	10122*	14	1N
21 Mile	1116	7550	1	115	55*				Bear Trap	7612*	7560	9	42N	8850	10123*	25	1N
West Yellowstone m	1117	6700	34	135	55*				Powder River	7613*	7900	3	45N	8556	10121	25	12W
Yellowstone m									Bear Trap	7614*	7900	3	45N	8556	10121	25	12W
Yellowstone m									CLOUDS PEAK	7615*	9850	44*24*	55N	8774	10122*	25	1N
Canyon	1015*	7540	44*94*	110*30*	6103A*	8760	44*24*	55N	Hansen Sawmill	7616*	7560	9	42N	8649	10123*	29	1N
Crvice Mountain m	10155	8800	22	95	55*				Middle Powder	7617*	7760	9	48N	8649	10124*	35	14E
East Entrance	905	9600	44*29*	110*30*	6103B*	8760	44*29*	55N	Floyd Creek G.S.	7618*	7760	31	48N	8649	10124*	35	14E
Lake Louise	1015P	7500	40*51*	110*32*	6103C*	8760	44*51*	55N	Boatman River	7619*	9880	6	48N	8556	10123*	32	15E
Lake Louise	10151	7580	44*53*	110*37*	6103D*	8760	44*53*	55N	Soldier Park	7620*	8780	10	48N	8556	10123*	32	15E
Northwest Entrance m	1007P	7500	33	95	14E				Snowy Peak	7621*	8780	10	48N	8556	10123*	32	15E
Northstar Peak	907A	9400	44*44*	110*45*	6103E*	9860	44*43*	55N	Snowy Peak	7622*	8780	10	48N	8556	10123*	32	15E
Pitchstone Plateau	1015A	8520	44*41*	110*42*	6103F*	9860	44*41*	55N	Grinnell Meadows	864	8860	19	30N	100*05*	10120A	29	14N
Sylvan Pass	1015*	7520	40*29*	110*34*	6103G*	9860	40*30*	55N	Larsen Creek	9626	9020	42*36*	30N	100*06*	10120A	17	13E
Thimble Plateau	1017A*	9160	44*22*	110*34*	6103H*	9860	44*22*	55N	South Pass	9627	9040	13*27*	30N	10119*	10120A	10	13E
Two Ocean Plateau	1017*	7580	44*22*	110*34*	6103I*	9860	44*22*	55N	Bear Trap	9628*	9860	13*27*	30N	10119*	10120A	5	9E
Clark's Fork	9E0*	8750	40*47*	109*34*	6113*	10120A	14	16N	Cloud Peak	9629*	10120A	14	16N	7980	10123*	35	13N
Cloud Peak	9E1*	8750	19	95	15E				Cameron Pass	9630*	101285	12	6N	7980	10123*	35	13N
Cloud Peak	9E2*	8750	20	95	15E				Deedham Hill	9631*	10200	26	10N	7980	10123*	35	13N
Fisher Creek m	906*	8799	11	95	14E				Evans	9632*	9080	4	12N	7980	10123*	35	13N
Parker's Peak	907A*	9400	44*44*	109*55*	6103J*	9860	44*44*	55N	Foxpark	9633*	9600	19	13N	7980	10123*	35	13N
White Mill m	908*	8700	18	95	15E				Hartlyn Turn	9634*	9460	19	16N	7980	10123*	35	13N
Wolverine	908*	7650	44*48*	109*59*	6103K*	9860	44*48*	55N	Libby Lodge	9635*	8750	29	16N	7980	10123*	35	13N
Wind River	9F12	8700	29	42N	108*W				Lost Lake c	9636*	9300	32	8N	7980	10123*	35	13N
Bearfoot Lake	9F14*	8750	43*41*	109*40*	6103L*	9860	43*41*	55N	McIntyre c	9637*	9120	17	14N	7980	10123*	35	13N
Burroughs Creek	9F20	8400	19	43N	104W				North Platte	9638*	10280	9	16N	7980	10123*	35	13N
Cattle Creek	9F20	8400	19	43N	104W				Arastre Lake	9639*	8650	35	8N	7980	10123*	35	13N
Christina Lake	9F6*	10160	33	28N	108W				Albany	9640*	9120	17	14N	7980	10123*	35	13N
Christina Lake	9F6*	8760	27	28N	108W				Arastre Lake	9641*	8780	120	16N	7980	10123*	35	13N
Geyser Creek	9F7*	8500	6	41N	107W				North Platte	9642*	10285	2	12N	7980	10123*	35	13N
Littie Creek	9F8*	8700	24	32N	101W				North Platte	9643*	8780	21	12N	7980	10123*	35	13N
Shirley R.S.	9F14	7720	3	31N	109W				North Platte	9644*	9000	6	7N	7980	10123*	35	13N
Troll's Ranch	9F15*	7000	1	43N	107W				North Platte	9645*	9300	21	5N	7980	10123*	35	13N
Togwotee Pass	9F16*	9360	13	30N	101W				North Platte	9646*	10500	32	17N	7980	10123*	35	13N
Popo Agie River	8G2*	9820	23	38N	101W				Divide Peak	9647*	8820	3	15N	7980	10123*	35	13N
Popo Agie River	8G2*	9820	9	30N	101W				Divide Peak	9648*	8820	15	15N	7980	10123*	35	13N
Popo Agie River	9G3*	10100	22	25	30W				Divide Peak	9649*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9650*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9651*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9652*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9653*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9654*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9655*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9656*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9657*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9658*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9659*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9660*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9661*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9662*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9663*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9664*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9665*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9666*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9667*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9668*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9669*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9670*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9671*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9672*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9673*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9674*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9675*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9676*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9677*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9678*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9679*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9680*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9681*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9682*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9683*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*	8500	22	25	30W				Divide Peak	9684*	7500	8	30N	7980	10123*	35	13N
Popo Agie River	9G3*</td																

THE FOLLOWING ORGANIZATIONS COOPERATE IN THE WYOMING SNOW SURVEY WORK

STATE

Conservation Districts of Wyoming
State Engineer of Wyoming
Irrigation Districts of Wyoming
University of Wyoming
 Department of Atmospheric Resources
 Department of Agricultural Engineering

FEDERAL

U. S. Department of Agriculture
 Soil Conservation Service
 Forest Service

U. S. Department of Commerce
 NOAA, National Weather Service

U. S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service
 Bureau of Indian Affairs

PRIVATE

Teton Environmental School
Utah Power and Light Company

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with the Snow Survey"*